**Topic: E-maintenace System**

**Languages required:**

**Frontend:** HTML,CSS,SCSS, JS, React JS

**Backend:** Node.js,Express.js, Mongodb or any other DB.

**API:** Gpay API or Paytm API (Maybe Stripe be used).

**Working of Payments**: <https://www.codementor.io/@dhananjaykumar/pms-part-3-payment-gateway-integration-15fercrfvy>

**Gpay API:**

<script

2 async

3 src="https://pay.google.com/gp/p/js/pay.js"

4 onload="onGooglePayLoaded()"

5></script>

**Similar Systems (Not too much) on large scale :**

https://www.softwareadvice.com/cafm/building-maintenance-comparison/

**Features we can add in our model:**

Online Maintenance Facility:

Residents can fill their maintenance easily through our platform.

**Complaint Section:**

We can have one complaint section where residents can post their maintenance related complaints which can be read by secretaries. Then they can find the solution.

# **Maintenance Alerts**

Send out alerts to relevant parties on service initiation, completion, extension, or comments. The alert emails can also be customized.

# **Work Order Management**

Create work orders, add associated components, and assign these orders to plumbers, fitters, technicians to stay on top of tasks.

**Online Meetings Section:**

Sometimes it is not possible to attend society meetings for some residents.

Hence online meeting is the best option. Our platform will serve as a medium through which residents can get notifications about the online meetings, any notices regarding the maintenance of the building.

**Emergency Issues related blogs**

These blogs will contain all the info. regarding emergency consequences.

Means it will acknowledge & guide the residents how to behave or get rescued in such consequences.